

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	203	(external adj2 (cavity or resonator)) same photonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 15:46
L8	29	("20020163947"   "20020167984"   "20020196827"   "20030235229"   "20040091010"   "5301201"   "5365541"   "5617445"   "5625636"   "5684817"   "5804919"   "5955749"   "6058127"   "6130780"   "6198211"   "6258615"   "6366392"   "6392341"   "6404127"   "6416575"   "6452713"   "6458713"   "6466360"   "6515305"   "6574383"   "6683898"   "6704343"   "6810056"   "6829281").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/07 16:22
L9	7	("20020163947"   "20020167984"   "5301201"   "5625636"   "5684817"   "5955749"   "6515305").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/07 16:54

L10	80	("4806997"   "4829357"   "4833511"   "4864168"   "4879250"   "4888625"   "4891093"   "4910571"   "4947400"   "4991179"   "5028969"   "5132982"   "5136603").PN. OR ("5625636").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/07 16:54
L12	3	(VBG or volume adj2 bragg adj2 grating) with (PBC photonic adj2 crystal or photonic adj2 (band adj2 gap bandgap))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 17:17
L13	1	10/597300 and (photonic or volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 17:29
L14	9	(VBG or volume adj2 bragg adj2 grating) and grating with (rear or back) adj2 facet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/07 18:35
S1	1	10/597300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:27
S2	0	(volume adj2 diffractive adj2 grating or VBG or volume adj2 bragg adj2 grating) near4 interference adj2 filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:36
S3	7	(volume adj2 diffractive adj2 grating or VBG or volume adj2 bragg adj2 grating) with interference adj2 filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:36

S4	0	photonic adj2 bandgap adj2 crystal near5 (volume adj2 diffract \$3 adj2 grating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:41
S5	261	(volume adj2 diffract \$3 adj2 grating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:41
S6	454	photonic adj2 bandgap adj2 crystal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:42
S7	0	PBG adj crystal near5 (volume adj2 diffract \$3 adj2 grating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:42
S8	1	10/597300 and lens with reflector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:43
S9	20	interference adj filter same volume adj2 diffract\$3 adj grating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:49
S10	0	interference adj filter with volume adj2 diffract\$3 adj grating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/01 19:49
S11	103	(photonic adj2 (bandgap or band adj gap) or PBG) same laser same lens	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/01 09:58

S12	2	"5818614".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/01 09:58
S13	24	("3743376"   "4063795"   "4124268"   "4286838"   "4306763"   "4355858"   "4451151"   "4497534"   "4703992"   "4776652"   "4878718"   "5072135"   "5075573"   "5097478"   "5121400"   "5123025"   "5293272"   "5394412"   "5602657").PN. OR ("5818614").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 09:59
S15	67	("4,013,338" "4,057,408" "4,095,875" "4,514,053" "4,714,902" "4,834,474" "4,942,102" "4,995,050" "5,020,153" "5,043,991" "5,115,338" "5,185,754" "5,319,668" "5,335,098" "5,337,328" "5,365,541" "5,392,308" "5,440,669" "5,491,570" "5,499,261" "5,537,432" "5,592,503" "5,602,864" "5,629,954" "5,651,018" "5,684,611" "5,684,900"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 10:46

		"20040013156" "5,691,989" "5,754,574" "5,777,763" "5,793,784" "5,796,096" "5,798,859" "5,825,792" "5,838,712" "5,870,417" "6,125,222" "6,192,062" "6,198,759" "6,208,679" "6,215,801" "6,233,259" "6,269,203" RE37,354 "6,292,498" "6,327,292" "6,330,257" "6,363,092" "6,363,097" "6,455,341" "6,529,542" "6,586,141" "6,673,497" "20040013157" "20050018743" "20050031264" "20050207466" "7,031,573" "20060215972" "7,125,632" "7,177,340" "7,212,554" "7,248,617" "7,248,618" "7,273,683" "7,298,771").pn.				
S16	1	"5163063".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 11:07
S17	192	external adj2 cavity near4 laser and (volume adj2 grating or (photonic adj2 crystal or photonic adj2 (band adj2 gap bandgap)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 15:30

S18	94	("20010016099"   "20010028483"   "20020012377"   "20020045104"   "20020176126"   "20020192849"   "20030174749"   "20030214700"   "20030219205"   "20040120643"   "20050018743"   "20050168819"   "20050207466"   "20060029120"   "20060123344"   "20060156241"   "20060256827"   "20080137698"   "3396343"   "3580657"   "3603690"   "3647289"   "3936143"   "4013338"   "4017318"   "4057408"   "4095875"   "4215937"   "4239333"   "4398797"   "4514053"   "4719635"   "4737946"   "4747657"   "4896933"   "4923271"   "4942102"   "4943126"   "4946245"   "5115338"   "5335098"   "5386426"   "5440669"   "5452124"   "5491570"   "5548676"   "5619609"   "5637868"   "5648946"   "5655040"   "5684611"   "5691989"   "5757487"   "5777763"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 16:44
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		"5796096"   "5798859"   "5812258"   "5825792"   "6055250"   "6064685"   "6093927"   "6122043"   "6163391"   "6184987"   "6198759"   "6221566"   "6249624"   "6269203"   "6285813"   "6385219"   "6385228"   "6411323"   "6414973"   "6434175"   "6470120"   "6476345"   "6524913"   "6529675"   "6580850"   "6584133"   "6586141"   "6673493"   "6673497"   "6687036"   "6829067"   "7031573"   "7125632"   "7184616"   "7212554"   "7248617"   "7298771"   "7324286"   "7326500").PN.				
S19	28	("20010016099"   "20010028483"   "20020045104"   "20020176126"   "20030214700"   "4013338"   "4057408"   "4095875"   "4514053"   "4942102"   "5115338"   "5335098"   "5440669"   "5491570"   "5684611"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/01 16:45

		"5691989"   "5777763"   "5796096"   "5798859"   "5825792"   "6198759"   "6269203"   "6385219"   "6414973"   "6529675"   "6586141"   "6829067"   "7031573").PN.				
S20	29	(US-20080253421-\$ or US-20080225382-\$ or US-20050207466-\$ or US-20050031264-\$ or US-20050018743-\$ or US-20080255638-\$ or US-20080253424-\$ or US-20060256832-\$ or US-20060256831-\$ or US-20060256830-\$ or US-20060256827-\$ or US-20060251143-\$ or US-20060251142-\$ or US-20060251134-\$). did. or (US-5818614-\$ or US-7508848-\$ or US-7298771-\$ or US- 7273683-\$ or US- 7248618-\$ or US- 7248617-\$ or US- 7177340-\$ or US- 7125632-\$ or US- 7031573-\$ or US- 5537432-\$ or US- 5499261-\$ or US- 7590162-\$ or US- 5777763-\$ or US- 7477818-\$ or US- 7397837-\$).did.	US-PGPUB; USPAT	OR	ON	2009/10/05 17:28

S21	29	(US-20080253421-\$ or US-20080225382-\$ or US-20050207466-\$ or US-20050031264-\$ or US-20050018743-\$ or US-20080255638-\$ or US-20080253424-\$ or US-20060256832-\$ or US-20060256831-\$ or US-20060256830-\$ or US-20060256827-\$ or US-20060251143-\$ or US-20060251142-\$ or US-20060251134-\$). did. or (US-5818614-\$ or US-7508848-\$ or US-7298771-\$ or US-7273683-\$ or US-7248618-\$ or US-7248617-\$ or US-7177340-\$ or US-7125632-\$ or US-7031573-\$ or US-5537432-\$ or US-5499261-\$ or US-7590162-\$ or US-5777763-\$ or US-7477818-\$ or US-7397837-\$).did.	US-PGPUB; USPAT	OR	ON	2009/10/06 14:23
S22	3	S21 and (photonic adj2 crystal or Photonic adj2 (bandgap or band adj gap) or PBG)	US-PGPUB; USPAT	OR	ON	2009/10/06 14:23
S23	32	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragga dj2 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:22
S24	32	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg dj2 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:22
S25	0	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg adj1 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:24

S26	0	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg adj2 grating) with rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:24
S27	19	(multimode or multi adj mode) adj2 laser and (VBG or volume adj2 bragg adj2 grating) with back	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:24
S28	61	laser and (VBG or volume adj2 bragg adj2 grating) with back	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:34
S29	42	S28 not S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:34
S30	22	laser and (VBG or volume adj2 bragg adj2 grating) with (rear or back) near5 (laser or diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:35
S31	50	semiconductor near2 diode near2 laser with disk adj2 laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 18:59

**EAST Search History (Interference)**

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